Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Date: 29-05-2021

No.KMTH/PMC/YD/2020-2021/W3

To,
The Executive Engineer,
Yelahanka Satellite Town,
Sub Division, Bengaluru.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Sub: Regarding inspection report for the below mentioned work.

Name of work: Construction of Drains and Culverts at BHEL Layout And Ayyappa Layout And Surrounding Area in Ward No: 03, Yelahanka Satellite Town Sub Division.

Item No	Description of Work	Unit	Quantity
1	KSRRB M300-14. Excavation for road work in all type of soil by mechanical means including cutting loading to tippers trimming bottom and side slopes in accordance with requirment of lines and cross sections and transportation with a lead of 1.00 km and complete as per specification. MORTH Specification No.301 and 4Kms Lead for disposal.	Cum	345.75
2	construction of granular sub-base grading-v as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite material, mixing by mix in place method by rotavator at OMC spreading in uniform layers with motor grader on prepared surface and compactioning with vibratory power roller to achieve the 98% proctor density, complete as per specification. clause 401 of MORTH V revision	Cum	90.45
3	KSRRB M400-17. Providing, Laying, Spreading and Compacting cushed stone aggregates of granite/ trap/basalt to wet ,ix macadam specifications including pre mixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base /base coarse on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification	Cum	137.46
4	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occcuring during rolling including cost of all labour, HOM complete as per specifications. MORTH I Chapter 3	Sqm	609.25
5	KSRRB M500-6Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. clause 502 of MORTH V revision.	Sqm	609.25

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6	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, lavel and allignment, rolling with smooth wheeled, vibratory and tandom rollers to achieve the desired compaction as per MORTH table 500-10 Complete in all respects compete as per specifications MORTH specification No. 507. using 100/120 TPH capacity HMP with sensor paver Gr-II (50mm to 75mm) with 4.5 % VG-30 Bitumen.	Cum	30.15
7	KSRRB M500-10. Providing and applying tack coat using 80/100 grade sqm bitumin(VGIO) in boiler fitted with the spray set distributor at the rate of 0.25KG/Sqm on the existing prepared bituminous (prime surface) clean with the mechanical broom, complete as per specifications. CLAUSE 503 of MORTH V revision.	Sqm	609.25
8	providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminious binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and o.43% of plastomeric thermoplastic(waste plastic) crushed aggregates of specified grading pre mixxed with bituminous binder and filler, transporting the hot mix to the work site, laying with a paver finisher to the require grade, level and allignment and rolling with the smooth wheeled, vibratory and tandom rollers to achieve the desired compaction in all respect complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015.	Cum	18.09
9	KSRRB M800-13. Road marking with hot applied thermoplastic compound with reflectrising glass beads on bituminous/ concrete surface. providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectrising glass beads at 250gms/ Sqm area, thickness of 2.5mm is exclusive of surfsce applied glass beads as per IRC: 35 standards specified the finished surface to be levell uniform and free from streaks and holes complete as per speciationd MORTH specification No.803	Sqm	25.50

With respect to the above subject and name of work, We have inspected the work , Quantity and Quality of above mentioned Items of work was found to be satisfactorily completed for the 3rd and Final Bill.

Thanking You,

With regards

Karnataka Material Test House Pvt Ltd.

Narayanswamy.B
Managing Director

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No.KMTH/PMC/YD/2020-2021/W3 Date: 29-05-2021

To,
The Executive Engineer,
Yelahanka Satellite Town,
Sub Division, Bengaluru.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Sub: Regarding Quality report for the below mentioned work.

Name of work: Construction of Drains and Culverts at BHEL Layout And Ayyappa Layout And Surrounding Area in Ward No: 03, Yelahanka Satellite Town Sub Division.

Item No	Description of Work	Unit	Quantity	No of Samples Tested
1	construction of granular sub-base grading-v as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite material, mixing by mix in place method by rotavator at OMC spreading in uniform layers with motor grader on prepared surface and compactioning with vibratory power roller to achieve the 98% proctor density, complete as per specification. clause 401 of MORTH V revision	Cum	90.45	2
2	KSRRB M400-17. Providing, Laying, Spreading and Compacting cushed stone aggregates of granite/ trap/basalt to wet ,ix macadam specifications including pre mixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base /base coarse on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification	Ton	137.46	2
3	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, lavel and allignment, rolling with smooth wheeled, vibratory and tandom rollers to achieve the desired compaction as per MORTH table 500-10 Complete in all respects compete as per specifications MORTH specification No. 507. using 100/120 TPH capacity HMP with sensor paver (5mm to 75mm) with 4.5 % VG-30 Bitumen.	Cum	30.15	3

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4	providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminious binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and o.43% of plastomeric thermoplastic(waste plastic) crushed aggregates of specified grading pre mixxed with bituminous binder and filler, transporting the hot mix to the work site, laying with a paver finisher to the require grade, level and allignment and rolling with the smooth wheeled, vibratory and tandom rollers to achieve the desired compaction in all respect complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015.	Sqm	18.09	3

With respect to the above Subject Name of work, we have inspected the work , Quantity and Quality of above mentioned Item of work was found to be satisfactorily completed for the 3rd and Final Bill.

Thanking You,

With Regards,
Karnataka Material Test House Pvt Ltd.,

Narayanswamy.B
Managing Director

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-೧೦೯

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